

## WHAT IS CLAIMED IS:

1                   1. A method for providing user interfaces for a plurality of services  
2 offered by an information distribution system, comprising:  
3                   providing a first application to support a first user interface for a first  
4 service;  
5                   providing a second application to support a second user interface for a  
6 second service; and  
7                   coordinating passing of control between the first and second applications  
8 via a control mechanism.

1                   2. The method of claim 1, further comprising:  
2                   maintaining first and second message queues for the first and second  
3 applications, respectively.

1                   3. The method of claim 2, further comprising:  
2                   passing control to the first and second applications via messages provided  
3 to the first and second message queues, respectively.

1                   4. The method of claim 1, further comprising:  
2                   polling the first or second application to determine a status of the  
3 application.

1                   5. The method of claim 2, further comprising:  
2                   polling for a status of the first or second application by providing a poll  
3 message to the first or second message queue, respectively.

1                   6. The method of claim 1, further comprising:  
2                   providing a root application to support communication between the first  
3 and second applications and a lower layer.

1                   7. The method of claim 6, wherein the communication between the root  
2 application and the first and second applications is achieved via a set of application  
3 programming interfaces (APIs).

1 8. The method of claim 6, wherein the lower layer is a hardware layer.

1 9. The method of claim 1, wherein each of the first and second  
2 applications is operable in an active state or an inactive state.

1 10. The method of claim 9, wherein an active application is operative to  
2 process key inputs.

1 11. The method of claim 9, wherein the first application transitions to the  
2 inactive state upon occurrence of any one of a plurality of events in a first set, and the  
3 second application transitions to the inactive state upon occurrence of any one of a  
4 plurality of events in a second set.

1 12. The method of claim 11, wherein the plurality of events in the first set  
2 includes a first set of key presses, and the plurality of events in the second set includes a  
3 second set of key presses.

1 13. The method of claim 9, wherein the first and second applications  
2 transition to the active state in response to receiving a launch message in the first and  
3 second message queues, respectively.

1 14. The method of claim 9, wherein the first and second applications  
2 transition to the active state in response to receiving first and second key presses,  
3 respectively.

1 15. The method of claim 1, further comprising:  
2 providing a first link in the first user interface to activate the second user  
3 interface; and  
4 providing a second link in the second user interface to activate the first  
5 user interface.

1 16. The method of claim 1, wherein only the first or second application, if  
2 any, is active at any particular moment.

1                   17. The method of claim 1, wherein each of the first and second  
2 applications is independently executed.

1                   18. The method of claim 1, wherein the first and second applications are  
2 concurrently active or semi-active.

1                   19. The method of claim 1, wherein the first application supports an  
2 interactive program guide (IPG).

1                   20. The method of claim 19, wherein the second application supports  
2 video-on-demand (VOD).

1                   21. The method of claim 20, wherein the first application is operable to  
2 overlay at least a portion of a VOD user interface on top of an IPG user interface.

1                   22. The method of claim 20, wherein the second application is operable to  
2 overlay at least a portion of an IPG user interface on top of a VOD user interface.

1                   23. The method of claim 20, wherein the first and second applications are  
2 operable to overlay a channel information window on top of an IPG user interface and a  
3 VOD user interface, respectively.

1                   24. A method for providing interactive program guide (IPG) and video-  
2 on-demand (VOD) user interfaces for IPG and VOD services, comprising:  
3                   providing an IPG application to support the IPG user interface for the IPG  
4 service;  
5                   providing a VOD application to support the VOD user interface for the  
6 VOD service;  
7                   maintaining IPG and VOD message queues for the IPG and VOD  
8 applications, respectively; and  
9                   passing control to the IPG and VOD applications via messages provided to  
10 the IPG and VOD message queues, respectively.

1                   25. A terminal configurable to provide user interfaces for a plurality of  
2 services offered by an information distribution system, comprising:  
3                   a first application operable to support a first user interface for a first  
4 service;  
5                   a second application operable to support a second user interface for a  
6 second service; and  
7                   means for passing control between the first and second applications.

1                   26. The terminal of claim 25, further comprising:  
2                   a root application operable to support communication between the first and  
3 second applications and a hardware layer.

1                   27. The terminal of claim 25, further comprising:  
2                   first and second message queues operable to store messages for the first  
3 and second applications, respectively.

1                   28. The terminal of claim 27, wherein the means for passing control is  
2 implemented by providing messages to the first and second message queues, and wherein  
3 the first and second applications are operable to retrieve and process messages stored in  
4 the first and second message queues, respectively.

1                   29. The terminal of claim 25, wherein the first application supports an  
2 interactive program guide (IPG) and the second application supports video-on-demand  
3 (VOD).

1                   30. A terminal configurable to provide user interfaces for a plurality of  
2 services offered by an information distribution system, comprising:  
3                   a first state indicative of a first application executing to support a first user  
4 interface for a first service;  
5                   a second state indicative of a second application executing to support a  
6 second user interface for a second service;  
7                   a third state indicative of the first and second applications being idle; and  
8                   means for transitioning between the first, second, and third states.

- 1                    31. The terminal of claim 25, wherein transitions between the first,  
2    second, and third states are in response to defined key presses.